

Serial No. 10/725,506

Docket No. P-0604

Amdt. dated July 30, 2007

Reply to Office Action of April 30, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display; ~~and~~

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module; and

a rib formed at an opening portion of the upper cover, wherein the buffering member is disposed between a lower surface of the rib and an upper surface of the sub display.

2. (Canceled)

3. (Currently Amended) The housing of claim 2~~1~~, wherein the buffering member comprises a resin material having a predetermined elasticity.

4. (Currently Amended) The housing of claim 2~~1~~, wherein the buffering member comprises a rubber material having a constant elasticity.

5. (Currently Amended) The housing of claim 2~~1~~, wherein the buffering member is adhered to either the rib or to the sub display.

6. (Currently Amended) ~~The housing of claim 1~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display; and

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the buffering member comprises a plurality of vent holes provided along a surface of the buffering member.

7. (Original) The housing of claim 6, wherein each vent hole comprises a groove of substantially constant width which is configured to connect an inner surface and an outer surface of the buffering member.

8. (Original) The housing of claim 1, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover.

9. (Original) The housing of claim 1, wherein the lower cover is configured to be rotatably connected to a main body of the mobile terminal.

10. (Original) The housing of claim 1, wherein the buffering member comprises a first buffering member disposed between an inner surface of the upper cover and an upper surface of the sub display, wherein the first buffering member is configured to absorb an impact generated by a vertically applied force on the protrusion portion.

11. (Previously Presented) The housing of claim 10, wherein the buffering member further comprises a second buffering member disposed between an inner surface of the upper cover and an upper surface of the display module, wherein the second buffering member is

configured to absorb an impact generated by a substantially laterally applied force on the protrusion portion.

12. (Canceled)

13. (Currently Amended) The housing of claim ~~12~~11, wherein the first buffering member comprises a resin material having a constant elasticity.

14. (Currently Amended)~~The housing of claim 11~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display; and

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the buffering member comprises a first buffering member disposed between an inner surface of the upper cover and an upper surface of the sub display, the first buffering member being configured to absorb an impact generated by a

vertically applied force on the protrusion portion, and a second buffering member disposed between an inner surface of the upper cover and an upper surface of the display module, the second buffering member being configured to absorb an impact generated by a substantially laterally applied force on the protrusion portion, and wherein the second buffering member comprises a first buffering portion attached to an inner side of the protrusion portion, and a second buffering portion formed extended from the first buffering portion and configured to contact an upper surface of the display module.

15. (Original) The housing of claim 14, wherein the first buffering portion is bent at a predetermined angle so as to be attached to an inner surface of the protrusion portion, and is configured to contact a peripheral surface of the sub display.

16. (Original) The housing of claim 14, wherein the second buffering portion is formed extended from the first buffering portion, wherein a lower surface of the second buffering portion is configured to contact an upper surface of the display module, and a side surface of the second buffering portion is configured to contact a peripheral surface of the sub display.

17. (Original) The housing of claim 11, wherein the second buffering member comprises a resin material having a constant elasticity.

18. (Currently Amended) ~~The housing of claim 11~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display; and

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the buffering member comprises a first buffering member disposed between an inner surface of the upper cover and an upper surface of the sub display, the first buffering member being configured to absorb an impact generated by a vertically applied force on the protrusion portion, and a second buffering member disposed between an inner surface of the upper cover and an upper surface of the display module, the second buffering member being configured to absorb an impact generated by a substantially laterally applied force on the protrusion portion, and wherein the second buffering member comprises a rubber material having a constant elasticity.

19. (Currently Amended) ~~The housing of claim 11,~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display; and

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the buffering member comprises a first buffering member disposed between an inner surface of the upper cover and an upper surface of the sub display, the first buffering member being configured to absorb an impact generated by a vertically applied force on the protrusion portion, and a second buffering member disposed between an inner surface of the upper cover and an upper surface of the display module, the second buffering member being configured to absorb an impact generated by a substantially laterally applied force on the protrusion portion, and wherein the second buffering member is configured to be attached to a lower surface of the protrusion portion and comprises a plate type member which maintains a substantially constant gap with an upper surface of the display module.

20. (Previously Presented) The housing of claim 8, further comprising a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover.

21. (Currently Amended) ~~The housing of claim 20~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover; and

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover, wherein the first reinforcing member is integrally adhered to the upper cover at the time of fabrication of said upper cover.

22. (Currently Amended)~~The housing of claim 20~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover; and

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover, wherein the first reinforcing member is integrally adhered to the upper cover at the time of injection-molding of said upper cover.

23. (Currently Amended)~~The housing of claim 20~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover; and

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover, wherein the first reinforcing member comprises a metal material.

24. (Currently Amended) ~~The housing of claim 20~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover; and

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover, wherein the first reinforcing member comprises a plurality of cylindrical members configured to intersect at predetermined points.

25. (Original) The housing of claim 20, further comprising a second reinforcing member disposed at an inner surface of the lower cover and configured to reinforce a strength of the lower cover.

26. (Currently Amended) ~~The housing of claim 25~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

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a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover;

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover; and

a second reinforcing member disposed at an inner surface of the lower cover and configured to reinforce a strength of the lower cover, wherein the second reinforcing member is integrally adhered to the lower cover at the time of fabrication of said lower cover.

27. (Currently Amended) ~~The housing of claim 25~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

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a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover;

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover; and

a second reinforcing member disposed at an inner surface of the lower cover and configured to reinforce a strength of the lower cover, wherein the second reinforcing member is integrally adhered to the lower cover at the time of injection-molding of said lower cover.

28. (Currently Amended) ~~The housing of claim 25~~ A housing for a display module of a mobile terminal, comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display;

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module, wherein the upper cover comprises a protrusion portion which extends upward from a circumferential surface of an opening portion of the upper cover;

a first reinforcing member disposed at an inner surface of the protrusion portion of the upper cover and configured to reinforce a strength of the protrusion portion of the upper cover; and

a second reinforcing member disposed at an inner surface of the lower cover and configured to reinforce a strength of the lower cover, wherein the second reinforcing member comprises a metal material.

29. (Original) A mobile terminal comprising the housing of claim 1.

30. (Currently Amended) A mobile terminal, comprising:

a main body; and

a housing configured to be rotatably attached to the main body, the housing comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display and a main display; ~~and~~

a buffering member disposed between at least a portion of the upper cover and the sub display and configured to prevent an external force applied to the upper cover from being transmitted to the display module; and

a rib formed at an opening portion of the upper cover, wherein the buffering member is disposed between a lower surface of the rib and an upper surface of the sub display.

31. (Currently Amended) A mobile terminal, comprising:

a main body; and

a housing configured to be rotatably attached to the main body, the housing comprising:

an upper cover;

a lower cover configured to be attached to the upper cover;

a display module comprising at least a sub display and a main display; and
a reinforcing device configured to reinforce a strength of the housing,
comprising a first reinforcing member integrally adhered to an inner surface of the upper cover,
and a second reinforcing member integrally adhered to an inner surface of the lower cover,
wherein the second buffering member comprises a rubber material having a constant elasticity,
and wherein the first reinforcing member comprises a metal material.

- 32. (New) A mobile terminal comprising the housing of claim 6.
- 33. (New) A mobile terminal comprising the housing of claim 14.
- 34. (New) A mobile terminal comprising the housing of claim 18.
- 35. (New) A mobile terminal comprising the housing of claim 19.
- 36. (New) A mobile terminal comprising the housing of claim 21.
- 37. (New) A mobile terminal comprising the housing of claim 22.

38. (New) A mobile terminal comprising the housing of claim 23.
39. (New) A mobile terminal comprising the housing of claim 24.
40. (New) A mobile terminal comprising the housing of claim 26.
41. (New) A mobile terminal comprising the housing of claim 27.
42. (New) A mobile terminal comprising the housing of claim 28.
43. (New) A mobile terminal, comprising:
- a main body;
 - a housing configured to be rotatably attached to the main body, the housing comprising:
 - an upper cover having a sub window on opening portion and a rib in which the sub window is mounted formed at an edge of a lower surface of the opening portion;
 - a lower cover configured to be attached to the upper cover;
 - a display module disposed between the upper cover and the lower cover, the display module comprising at least a sub display having a display portion and a main display;

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and

a buffering member disposed on a surface of the sub display and configured to prevent force applied to the upper cover from being transmitted to the display module, wherein the buffering member is formed to have a rectangle opening portion.

44. (New) The mobile terminal of claim 43, wherein the rectangle opening portion is substantially the same size as the display portion of the sub display.